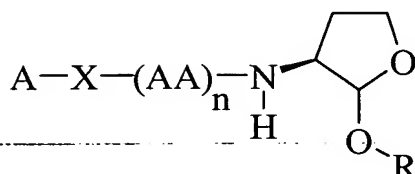


# ABSTRACT

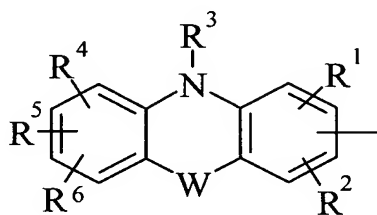
The invention relates to derivatives of 2-hydroxytetrahydrofuran corresponding to general formula (I)



(I)

in which

5 A represents the



radical, in which  $R^1$ ,  $R^2$ ,  $R^4$ ,  $R^5$  and  $R^6$  represent (in particular), independently, H, a halogen atom, OH, alkyl or alkoxy,  $R^3$  represents H, alkyl or  $-\text{COR}^{10}$ ,  $R^{10}$  representing H, alkyl or alkoxy, and W represents a bond,  $-\text{CH}_2-\text{CH}_2-$ ,  $-\text{CH}=\text{CH}-$ ,  $-\text{O}-$ ,  $-\text{S}-$  or  $-\text{NR}^{11}-$  in which  $R^{11}$  represents H or alkyl;

10 X represents  $-\text{CO}-$ ,  $-\text{Y}-\text{CO}-$ ,  $-\text{O}-\text{Y}-\text{CO}-$  or  $-\text{NR}^{12}-\text{Y}-\text{CO}-$ , Y represents an alkylene or haloalkylene alkyl,  $R^{12}$  represents H, alkyl or  $-\text{COR}^{13}$ ,  $R^{13}$  represents H, alkyl, haloalkyl or alkoxy,

AA represents, each time that it occurs, a natural or non-natural amino acid;

n represents 2 or 3; and finally

15 R represents H, alkyl or  $-\text{CO}-\text{R}^{19}$ ,  $\text{R}^{19}$  representing alkyl.

These compounds have a calpain inhibiting activity and/or an activity which traps the reactive oxygen species and can be used for preparing a medicament intended to treat the inflammatory and immunological diseases, cardio-vascular and cerebro-vascular diseases, disorders of the central or peripheral nervous system, osteoporosis, muscular dystrophy, proliferative diseases, cataract, rejection reactions following organ transplants and autoimmune and viral diseases.

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